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## INFORMATION REPORT INFORMATION REPORT

## CENTRAL INTELLIGENCE AGENCY

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COUNTRY	Czechoslovakia	REPORT	
SUBJECT	Kostolna Artificial Reservoir and Kostolna-Piestany Canal	DATE DISTR.	6 February 1957
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report on the Kostolna artificial reservoir at Kostolna (N 48-54, E 17-59) and the Kostolna-Piestany canal. The report includes two sketches of the sluice gates of the reservoir, a sketch showing the course of the canal, and a sketch showing a transverse section of the canal.

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Subject : Czechoslovakia  
The Kostolna artificial reservoir.

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The Kostolna artificial reservoir was constructed during World War II, and is located on the ~~Wag~~ <sup>Vah</sup> River, about three kilometers downstream from Trencin. The reservoir has four individual water basins : three are 20 meters long, while the fourth is 15 meters in length. Four <sup>meter</sup>-~~foot~~-thick reinforced <sup>concrete</sup> ~~concrete~~ pillars divide one water basin from the next. The maximum depth of the water in the reservoir is 11 meters.

"Stoney" type sluice gates divide the individual water basins. These gates are operated by a control mechanism that is four meters in height ~~installed~~ installed on the cement pillars. The individual sluice gates have sluice valves which function on hinges maneuvered by chains. This system of sluice valve control is known as the Gall system.

This reservoir <sup>provides</sup> ~~accomplishes~~ the Kostolna - Trencin, and Kostolna - Piestany canals with sufficient water so that they are navigable. This is accomplished by raising the level of the <sup>Vah</sup> ~~Wag~~ River.

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Subject : Czechoslovakia

The Kostolna - Piestany Canal.

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The Kostolna - Piestany navigable canal begins at the smaller water basin of the Kostolna reservoir, follows a course that roughly parallels the ~~Vah~~<sup>Vah</sup> River (between the railroad ~~tracks~~ and the river), until it reaches the city of Piestany. Immediately after Piestany it empties into the ~~Vah~~<sup>Vah</sup> River. Total length : 37 kilometers, 900 meters.

Width from bank to bank : 25 meters ; width at the canal bed : 19 meters; and, average depth - ~~2~~<sup>two</sup> and one-half meters.

The canal provides a navigation means for river craft between Kostolna and Piestany and also furnishes water power for the electric power stations at Adamovce, Nove Mesto, and Horna Streda. There are locks located at each of these cities.

The electric power ~~plants~~<sup>stations</sup> were built after World War II to furnish industrial power for the manufacturing plants in the area. These power stations have an average annual output of 80 million kilowatt-hours, and an average ~~capacity~~<sup>capacity</sup> of 20,000 kilowatts~~more~~.

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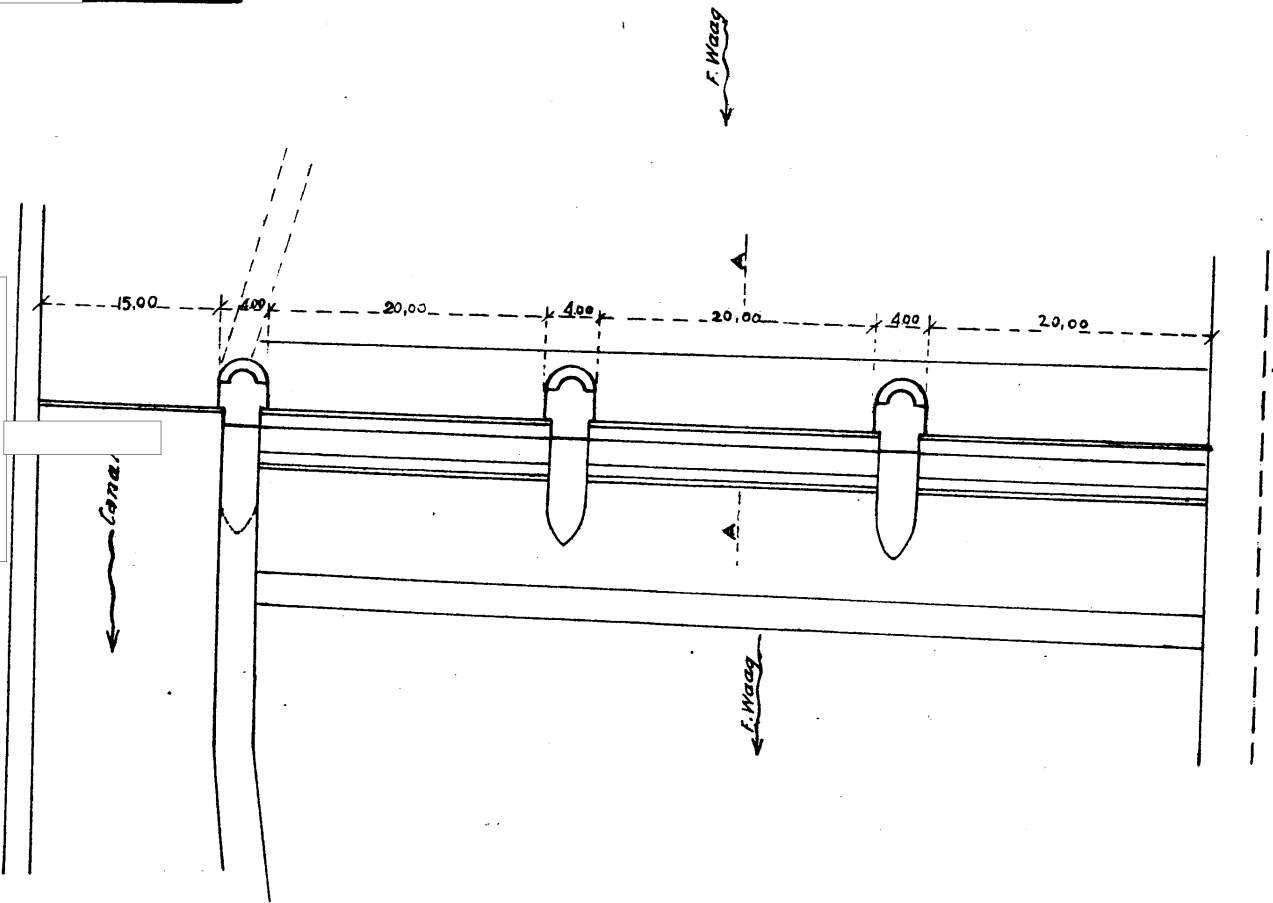
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Kostolna



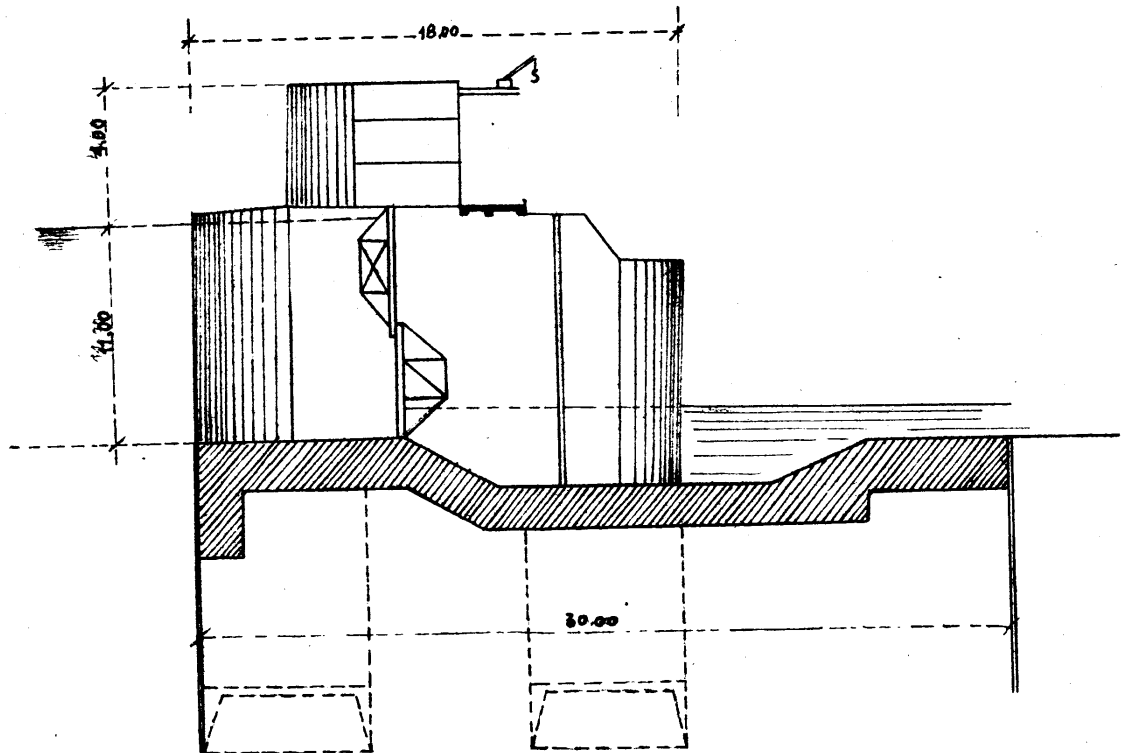
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Kostolna

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KOSTOLNA - PIESTANY.

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TRENČIN

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KOSTOLNÁ

ADAMOVCÉ

Nové Mesto

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F. Waag

HORNÁSTREDA

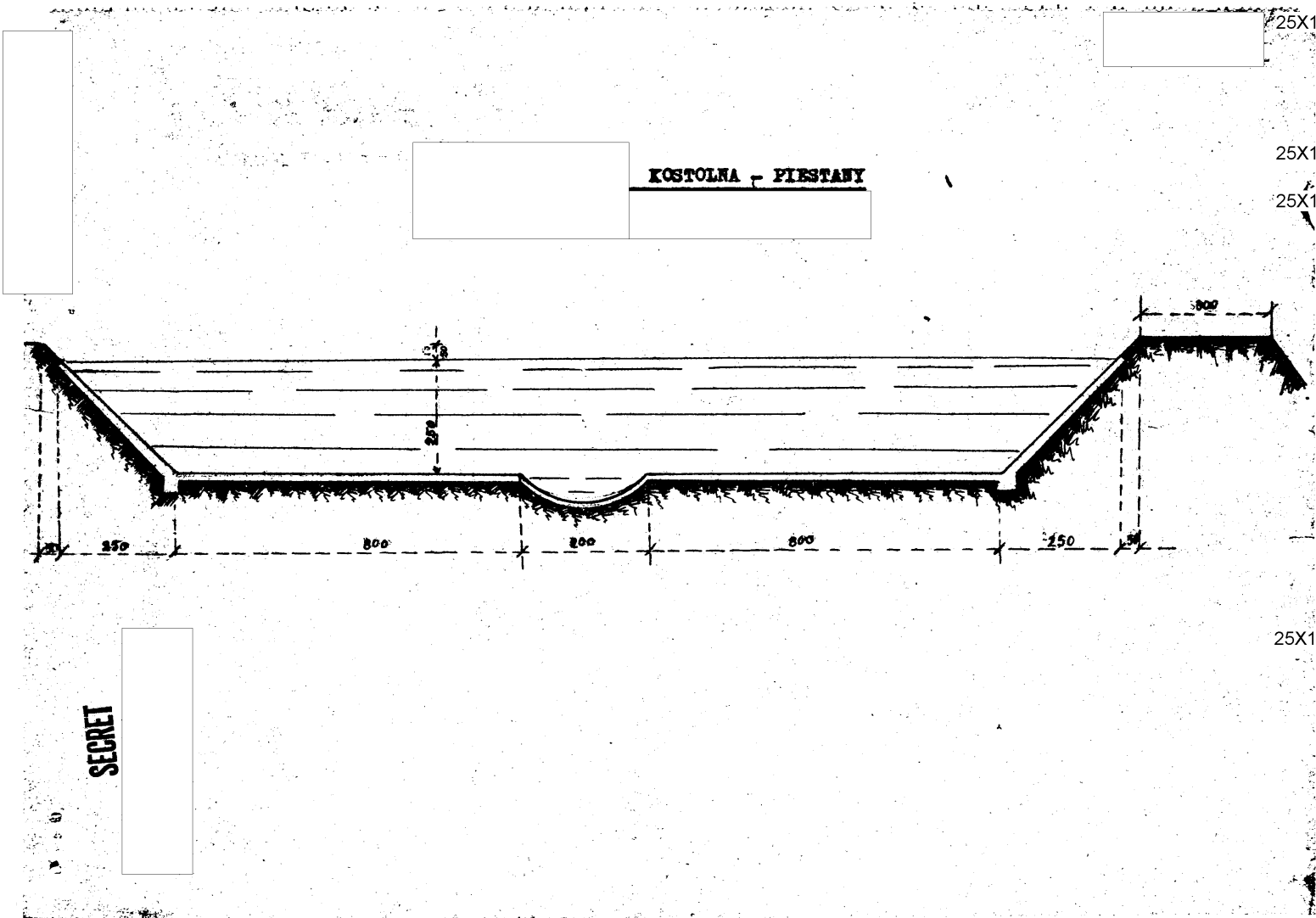
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